



TECHNICAL TRAINING COURSES

January 29 – February 2, 2018
Anaheim, California

**Distribution
System
Economics**

NEW!

**Underground
Distribution
Systems**

COURSE HIGHLIGHTS

Earn PDHs

Earn 23 PDHs for the Underground Distribution Systems class and 6.5 PDHs for the Distribution System Economics course.



Experienced Instructors

Learn from instructors who have decades of experience in the electric utility industry and understand the specific needs of public power utilities.

Unique Teaching Environment

The instructors incorporate group discussion, check-up quizzes, practical design problems, videos, and Q&A sessions into the courses.

Real-Life Examples

All classes are tailored to public power utilities and incorporate real-life examples. Network with peers from across the country and share experiences.

Utility Tour

The Underground Distribution attendees with tour a local utility's distribution system to observe equipment, operating practices, and practical examples related to classroom discussion.

Who Should Attend

These courses are designed for public power professionals and skilled personnel including: engineers, designers, technicians and field personnel, as well as for all those involved in the management, construction, safety and operational aspects of transmission and distribution systems.

The Distribution System Economics class is also applicable to accountants and business managers who are involved in the economics of electrical distribution.

For more information, visit
www.PublicPower.org/Academy.

Distribution System Economics: Making the Business Case

NEW!

Monday, January 29

Recommended CEUs .7/PDHs 6.5

Course Schedule

8:30 a.m. – 4:30 p.m.

Course Overview

As the bread and butter of all public power systems, the distribution system is essential to business success. Is your distribution system reliable; resilient; and nimble enough to meet changing policies, technologies, and customer expectations? Does your utility have a plan and budget for expansion, renovation, and replacement of aging components?

Dive into the business management side of electrical distribution. Learn how to present a compelling business case to your management and board for effective distribution management and investment.

Review the basics of distribution management, then work through exercises and case studies to identify the key factors that will ensure your system's continued success through the evolutionary years ahead.

Course Topics

- Business and regulatory imperatives and best practices for a safe and functional distribution system
- Fiduciary responsibility for managing distribution assets
- Engineering economics applied to loss evaluation, investment alternatives, financial risk management, customer contributions, etc.
- Application exercises — transformer purchasing with loss evaluation, circuit re-conductoring economics, customer contributions for line extensions, etc.

Course Level

Basic: no prerequisites; no advance preparation.

Instructor

R. John Miner, P.E., President, Collaborative Learning, Inc., Austin, Texas

What to Bring

Participants are required to bring a scientific/business calculator or mobile calculator app.

Constructing, Operating and Maintaining Underground Distribution Systems

Tuesday, January 30 – Friday, February 2

Recommended CEUs 2.3/PDHs 23

Course Schedule

Tuesday – Thursday: 8 a.m. – 4:30 p.m.

Friday: 8 a.m. – Noon

Course Overview

Learn all about the effective design, construction, operation and maintenance of underground electric distribution systems. Review critical factors involved in the conversion of overhead systems to underground. Tour a local utility's distribution system and participate in guest presentations from manufacturer's application engineers, cable testing engineers, or other industry professionals.

Course Topics

- Policy and service guidelines
- Underground distribution planning, design and layout
- Maintenance practices
- Operations, safety and regulatory requirements
- Cable design and application
- Terminating underground cable
- Fusing, fuse coordination, fault location, and surge protection technologies
- Review of the 2017 NESC that pertains to underground systems (Part 3) and work practices (Part 4)

Course Level

Basic/Intermediate: no prerequisites; no advance preparation.

Instructors

Larry Koshire, P.E., President, Koshire Consulting, LLC, Rochester, Minnesota

Mark Swan, P.E., Principal, MDS Engineering Consulting, LLC, Colorado Springs, Colorado

Registration and Hotel Information

Register online at: www.PublicPower.org/Academy

Hotel Information

Hilton Anaheim
777 West Convention Way
Anaheim, CA 92802

APPA Room Rate

\$229 Single/Double (plus tax)

Room Rate Cut-off Date

January 8, 2018

Reservations

714-750-4321

Please note: It is possible for the room block to sell out prior to January 8, so please make your hotel reservations early.

Registration Fees

Prices increase \$50 after January 8.

Distribution System Economics, Jan. 29

Association Members \$545

Nonmembers \$1,090

Underground Distribution Systems, Jan. 30 – Feb. 2

Association Members \$1,245

Nonmembers \$2,490

Registration Fee Discounts

Save \$50 when you register before January 8.

Save \$100 when you attend both courses.

Cancellations/No-Shows/ Refunds/Substitutions

Registrants who cancel in writing on or before Jan. 22, 2018, are entitled to a refund of the registration fee, minus a \$50 cancellation fee. Registrants who cancel after Jan. 22, will not receive a refund, but may send a substitute to this event only. Registrants and no-shows who do

not cancel by Jan. 22 are responsible for the full registration fee and are not entitled to a refund.

Cancellations must be made in writing and emailed to: Registration@PublicPower.org.

Travel Arrangements

Travel arrangements and costs are the responsibility of the participants (including hotel parking, wifi, incidentals, etc.). APPA will not reimburse for changes in travel expenditures regardless of the cause.

Name Badges

Name badges can be picked up at the APPA registration desk at the hotel starting at 7:30 a.m. on the first day of each course.

Confirmations

Confirmations will be sent via e-mail.

Meals

Beverage breaks are included in the registration fee. All meals are on your own.

Questions?

Email EducationInfo@PublicPower.org or call 202/467-2919.

Continuing Education Units

The American Public Power Association is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.



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www.PublicPower.org

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